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# Willtek 4400 MS Power Supply Option



Current characteristics similar to a proper battery

Supply for two time slots per frame

Ready for GPRS and HSCSD

Voltage level control through user interface, remote control or RAPID! programming language

Open-ended power supply connection cable included

## MS Power Supply Option optimises mobile phone test environment

In production lines and service centres, mobile phone testing is usually conducted using an external power supply. Now, Willtek helps mobile manufacturers and service factories optimise their workspace, instrument control and budget by integrating the power supply into the Willtek 4400 Series.

Willtek's MS Power Supply Option enhances the functionality of the 4400 Mobile Phone Tester Series by enabling engineers to eliminate the external power supply. With this easy-to-use add-on, the revolutionary 4400 supplies the mobile with DC power and tests RF and audio, all from one instrument.

The option was developed in consultation with mobile phone manufacturers and service centres with the aim of improving mobile phone testing processes and environments.

This innovative testing option provides a number of benefits:

### Easier programming

The option employs remote control and RAPID! integration based on SCPI and 4400 standards.

### Streamlined troubleshooting

Quick separation of handset and power supply problems ensures faster problem resolution.

### Return on investment

Multiple functionality saves buying additional stand-alone equipment.

## Cost reduction

This easy-to-use option reduces training costs over time.

## Space saving

No additional external power supply is necessary, saving production and service space.

## Lifelike battery substitution

The option eliminates the need to use regular mains supplies for testing in mobile phone production lines and repair loops. It replaces the battery while providing similar voltage characteristics.

## Minimise space and cost

The MS Power Supply Option not only reduces installation and maintenance costs but also saves money over time by reducing the number of devices manufacturers and service centres need to hold. The option's simple-to-interpret graphical user interface, which reduces both the need for training and the time taken on each test, further enhances the cost savings.

## Multiple, simultaneous testing capabilities

The MS Power Supply Option can support both GPRS and HSCSD applications because it is able to feed currents for the transmission of at least two time slots per frame. The number of time slots is limited only by the current level in transmit mode.

## One-box solution

The MS Power Supply Option is shipped with a one-meter cable, designed to plug simply and easily into the power supply socket on the front panel of your 4400. The open-ended termination on this cable provides free adaptation into an existing test system.

## Built-in protections

Willtek guards against accidental short-circuits by the addition of a positive temperature coefficient (PTC) resistor in the MS Power Supply Option. It is tripped if too much current flows through.

## Specifications

Output voltage	
Range	0 to 10 V
Resolution	50 mV
Accuracy (with constant current)	±20 mV
Maximum output current	
Continuous	(< 4 V) 1 A
Continuous	(≥ 4 V) 0.25 A
Peak	(< 1 ms, < 4 V) 4 A
Peak	(< 1 ms, ≥ 4 V) 2 A
Ripple noise (peak-to-peak)	100 mV/A
Proof against permanent short-circuit	

## Scope of supply

A power supply connection cable of one meter length with open ends for free adaptation according to user needs is delivered with the option.

## Ordering information

MS Power Supply Option	M 248 355
Mobile Phone Tester 4403	
	M 101 105
Mobile Phone Tester 4405	
	M 101 104
Mobile Phone Tester 4407	
	M 101 103

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